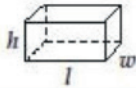


Grade 5 Mathematics Reference Sheet

FORMULAS

Right Rectangular Prism

Volume = lwh

Volume = Bh

CONVERSIONS

1 centimeter = 10 millimeters

1 meter = 100 centimeters = 1,000 millimeters

1 kilometer = 1,000 meters

1 gram = 1,000 milligrams

1 kilogram = 1,000 grams

1 pound = 16 ounces

1 ton = 2,000 pounds

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

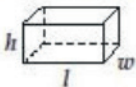
1 liter = 1,000 milliliters

1 kiloliter = 1,000 liters

1 mile = 5,280 feet

1 mile = 1,760 yards

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Name _____

Date _____

1. Rewrite the following expressions as shown in the example.

$$\text{Example: } \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} = \frac{4 \times 2}{3} = \frac{8}{3}$$

a. $\frac{5}{3} + \frac{5}{3} + \frac{5}{3}$

b. $\frac{13}{5} + \frac{13}{5}$

c. $\frac{9}{4} + \frac{9}{4} + \frac{9}{4}$

2. Solve each problem in two different ways as modeled in the example.

$$\text{Example: } \frac{2}{3} \times 6 = \frac{2 \times 6}{3} = \frac{12}{3} = 4 \quad \frac{2}{3} \times 6 = \frac{2 \times \cancel{6}^2}{\cancel{3}_1} = 4$$

a. $\frac{3}{4} \times 16$

$\frac{3}{4} \times 16$

b. $\frac{4}{3} \times 12$

$\frac{4}{3} \times 12$

c. $40 \times \frac{11}{10}$

$40 \times \frac{11}{10}$

d. $\frac{7}{6} \times 36$

$\frac{7}{6} \times 36$

e. $24 \times \frac{5}{8}$

$24 \times \frac{5}{8}$

f. $18 \times \frac{5}{12}$

$18 \times \frac{5}{12}$

g. $\frac{10}{9} \times 21$

$\frac{10}{9} \times 21$

3. Solve each problem any way you choose.

a. $\frac{1}{3} \times 60$

$\frac{1}{3}$ minute = _____ seconds

b. $\frac{4}{5} \times 60$

$\frac{4}{5}$ hour = _____ minutes

c. $\frac{7}{10} \times 1000$

$\frac{7}{10}$ kilogram = _____ grams

d. $\frac{3}{5} \times 100$

$\frac{3}{5}$ meter = _____ centimeters